October 6, 2020

Post-doc Research Associate

MSU DOE Plant Research Laboratory
Michigan State University
East Lansing MI USA

Project title: Homeostasis of the plant endoplasmic reticulum

One NSF-funded position for a Post-doc Research Associate is available immediately to join a productive team of investigators in the laboratory of Dr. Federica Brandizzi at the Plant Research Laboratory, Michigan State University. (https://prl.natsci.msu.edu/people/faculty/federica-brandizzi/) (https://pubmed.ncbi.nlm.nih.gov/?term=brandizzi+f&sort=date)

The project focuses on the structure of the plant endoplasmic reticulum (ER). The research will dissect the function of novel proteins involved in the establishment and maintenance of the plant ER network, using multidisciplinary approaches, including proteomics, biochemistry, cellular and molecular biology, genomics and advanced live-cell imaging in the model plant species *Arabidopsis thaliana*.

The applicants must have a strong background in Arabidopsis genetics, molecular biology, gene expression analyses, biochemistry, microscopy and genomics. Experience of working on plant endomembranes is highly desirable but not essential.

The post-doc research associate will be responsible for designing and performing experiments, analyzing data, helping with manuscript and grant preparation, overseeing and training other lab personnel.

Candidates for the position should have a Ph.D., a record of publication in peer-reviewed journals and a strong background in cellular and molecular biology. Experience in Arabidopsis genomics is essential. Experience with the plant secretory pathway and stress responses is desirable.

*Specialties:* Cell Biology - Molecular Biology/Gene Regulation. Other Specialties: Biochemistry, Genetics, Proteomics.

*Application Instructions:* Please submit a brief description of research experience, curriculum vitae, and the names and contact information of three references to Dr Federica Brandizzi (e-mail: fb@msu.edu).

Posting reference #675374: Research Associate-Fixed Term